

CLAIMS

1. An electric household appliance for steam cooking comprising: a basement (10), in which an on/off switch (12) and a pilot light (30) are provided; a body formed by two components, whose lower component (14) comprises the water tank and the resistor (18) for its heating, while the upper component (16), forming a bearing surface, comprises at least a conduit (20) for the steam passage; a container (42) for the food to be cooked, to be placed on the bearing surface of the upper component (16) of the body, characterized in that an arm (31) is hinged to said upper component (16), comprising at least a conduit (32) for the steam passage, and a lid (36) for said container (42), engageable under the arm (31), comprising at least a device (45) for mixing the food and at least a conduit (33) forming a continuation of said at least a conduit (32) obtained in said arm (31), which allows the diffusion of the steam in said container (42) for cooking the food.
2. The appliance according to claim 1, characterized in that the passage of the steam from the upper component (16) of said appliance to said arm (31) is governed by at least a spring valve (21).
3. The appliance according to claim 2, characterized in that said spring valve (21) comprises at least a control piston pin (22), activated by said arm (31) when such arm is brought in its closure position by the user to start the food cooking.
4. The appliance according to the preceding claims, characterized in that said arm (31) comprises at least a turbine (24) activated by the steam under pressure introduced in said conduit (32) by the opening of said spring valve (21).
5. The appliance according to claim 1, characterized in that said arm (31) is hinged to the upper component (16) of said appliance by a torsion spring (29), which

allows the automatic interruption of the steam delivery when the user releases said arm (31).

6. The appliance according to the preceding claims, characterized in that said food mixing device (45) consists of rotating blades activated by the rotation of said turbine (24) through a mixing rod (25).

7. The appliance according to claim 1, characterized in that said lid (36) is joined to said arm (31) by screwing.

8. The appliance according to claim 1, characterized in that said lid (36) is joined to said arm by fitting.

9. The appliance according to claim 1, characterized in that in the upper portion of said arm (31), over the turbine (24), a disc (38) made of transparent material is placed, allowing the user to control the actual rotation of the turbine (24) during the working of said appliance.

10. The appliance according to claim 1, characterized in that said lid (36) comprises at least a slit (27) for the steam outlet during the food cooking phase.

11. The appliance according to claim 1, characterized in that said arm ends with a handling knob (26) made of thermal insulating material.

12. The appliance according to claim 1, characterized in that said container (42) is provided with a handle (43) made of thermal insulating material.

13. The appliance according to claim 1, characterized in that said upper component (16) of said appliance comprises a cap (37), provided with a safety valve, for loading the water in the tank (14).

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